



# OIL REPORT

LAB NUMBER: H07938

UNIT ID: 08 R320

REPORT DATE: 10/13/2015

CLIENT ID: 87445

CODE: 20/32

PAYMENT: CC: MC

<b>UNIT</b>	MAKE/MODEL: Mercedes Benz 3.0L V-6 OM642	OIL TYPE & GRADE: Mercedes Benz Syn (229.51) 5W/40
	FUEL TYPE: Diesel	OIL USE INTERVAL: 4,500 KM
	ADDITIONAL INFO:	

<b>CLIENT</b>	MARC HANNA	PHONE: (226) 240-0774
	703 ROBERT FERRIE DR	FAX:
	KITCHENER, ON N2R 0B2	ALT PHONE:
	CANADA	EMAIL: marc@hagios.ca

**COMMENTS** MARC: We're glad that this oil is still in use because wear metals are nice and low here. Universal averages show typical wear levels for this type of engine after about 17,600 kilometers on the oil, so we'd expect lower metals after just 4,500 miles and that's exactly what showed up. Nothing in the way of excess fuel or harmful coolant is present and the viscosity is in the 5W/40 range. Low insolubles and silicon show excellent oil and air filtration. Add another 4,000-5,000 kilometers to this oil and just check back.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil	4,500	<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit	84,000						
	Sample Date	9/12/2015						
	Make Up Oil Added	0 qts						
ALUMINUM	2	2					7	
CHROMIUM	1	1					1	
IRON	14	14					46	
COPPER	1	1					4	
LEAD	0	0					1	
TIN	0	0					1	
MOLYBDENUM	3	3					49	
NICKEL	0	0					1	
MANGANESE	0	0					1	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM	3	3					7	
BORON	354	354					66	
SILICON	5	5					6	
SODIUM	2	2					4	
CALCIUM	2156	2156					1567	
MAGNESIUM	50	50					259	
PHOSPHORUS	911	911					840	
ZINC	1060	1060					986	
BARIUM	0	0					0	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°F	66.5	65-77				
	cSt Viscosity @ 100°C	12.01	11.6-15.0				
	Flashpoint in °F	445	>410				
	Fuel %	<0.5	<2.0				
	Antifreeze %	0.0	0.0				
	Water %	0.0	<0.1				
	Insolubles %	0.2	<0.8				
	TBN						
	TAN						
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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